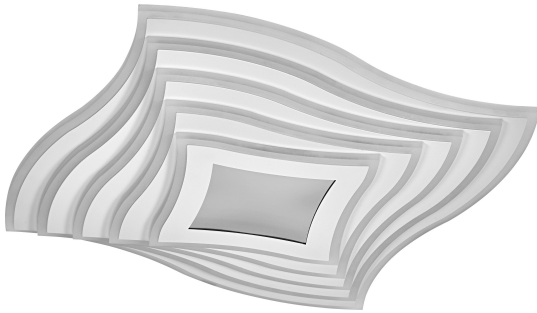# PRODUCT DATASHEET
Orbis Waves 480x480mm 43W Tunable White DIM Remote White

Orbis Waves | LED ceiling lamp with multiple light layers

Areas of application

– Indoor
– Living areas (living rooms, dining rooms, bedrooms etc.)

Product benefits

– Color temperature adjustment for different application needs
– Set light output from 0-100% for personal comfort

Product features

– Dimmable
– White adjustment (CCT) from 2700 K...6000 K via remote control
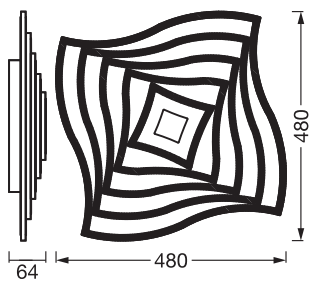
TECHNICAL DATA

Electrical data

Nominal wattage	43.00 W
Nominal voltage	220…240 V
Mains frequency	50/60 Hz
Nominal current	200.000 mA
Inrush current	6 A
Inrush current time T_{h50}	100 µs
Max. number of luminaires per miniature circuit breaker B16	76
Max. number of luminaires per miniature circuit breaker C10	31
Max. number of luminaires per miniature circuit breaker C16	50
Power factor λ	> 0.9
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	Mains voltage

Photometrical data

Luminous flux	3600 lm
Total luminous flux of contained light sources	5700 lm
Luminous efficacy	80 lm/W
Color temperature	2600…6000 K
Reference control setting of contained light source (Kelvin)	2700 K
Light color (designation)	Tunable White
Color rendering index Ra	> 80
Standard deviation of color matching	6 sdcm
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	200 °

Dimensions & Weight

Length	480.00 mm
Width	480.00 mm
Height	64.00 mm
Product weight	5150.00 g

ORBIS WAVES 480X480 43W TW DIMRC WT

Materials & Colors

Product color	White
Housing color	White
Body material	Steel
Cover material	Polystyrene (PS)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+40 °C
Temperature range at storage	-20…+80 °C
Type of connection	Terminal, 2-Pole (L, N)
Type of protection	IP20
Protection class IK (shock resistance)	IK03
Dimmable	Yes
Mounting type	Surface
Mounting location	Ceiling
With light source	Yes
Replaceable light source	No

Lifespan

Number of switching cycles	12500

Emergency lighting

Type of emergency operation test	None

Certificates & Standards

Standards	CE / UKCA
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

EQUIPMENT / ACCESSORIES

– Batteries required for remote control: 2xAAA (not included)

Safety advice

– Luminaire must be disconnected from mains during installation, maintenance and cover removal
– Check wall-ceiling for suitability. If uncertain, seek professional advice.
– All electrical connections must be made by a qualified person.
– Caution, risk of electric shock.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	ORBIS

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854659294	Folding box 1	97 mm x 532 mm x 533 mm	5605.00 g	27.50 dm³
4099854659300	Shipping box 2	550 mm x 550 mm x 220 mm	12523.00 g	66.55 dm³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.